

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
AIR QUALITY CONTROL GENERAL OPERATING PERMIT**

**CRUSHER GENERAL OPERATING PERMIT  
GENERAL PERMIT 9**

**THIS GENERAL PERMIT IS TO BE USED FOR:**

**A ROCK CRUSHER AND ASSOCIATED EQUIPMENT INSTALLED,  
MODIFIED OR RECONSTRUCTED AFTER AUGUST 31, 1983, SUBJECT TO  
40 C.F.R. 60 SUBPART 000 – STANDARDS OF PERFORMANCE FOR  
NONMETALLIC MINERAL PROCESSING PLANTS**

**THIS GENERAL PERMIT EXPIRES September 12, 2008. TO RENEW THIS  
PERMIT THE OWNER OR OPERATOR MUST SUBMIT A RENEWAL  
APPLICATION BETWEEN March 12, 2007 AND March 12, 2008.**

**THIS GENERAL PERMIT SERIAL NUMBER \_\_\_\_\_**

**IS ISSUED TO \_\_\_\_\_  
COMPANY NAME**

\_\_\_\_\_  
**JOHN F. KUTERBACH  
MANAGER, AIR PERMIT PROGRAM**

**Date Issued: September 12, 2003**

### **Qualifying Criteria:**

A facility or part of a facility can be approved to operate with this general permit if the facility or part of a facility is equipment at a nonmetallic mineral processing plant that is subject to a New Source Performance Standard in 40 C.F.R. 60, Subpart OOO; and

1. Either
  - An operating permit is not needed for any other reason; or
  - The owner or operator obtains another general or facility-specific operating permit or permits that cover all other equipment at the facility requiring a permit; (See Section II. *C.-E.* of the permit application form.); and
2. The facility does not contain any excluded sources. (See QC3.)

#### QC1. Subpart OOO Equipment

For equipment to be subject to Subpart OOO,

- initial crushers at the plant must have a combined rated capacity larger than
  - 150 tons per hour for a portable plant,
  - 25 tons per hour for a fixed plant, or
  - 10 tons per hour for a common clay plant or pumice plant; and
- The piece of equipment must be constructed, reconstructed, or modified after August 31, 1983, and be a
  - Crusher
  - Grinding mill
  - Screening operation
  - Bucket elevator
  - Belt conveyor including transfer points
  - Bagging operation
  - Storage bin, or
  - Enclosed truck or railcar loading station.

The equipment may be at an asphalt plant or Portland cement plant, but does not include equipment covered by 40 C.F.R. 60, Subparts I or F for asphalt plants or Portland cement plants.

#### QC2. Fuel Storage Tanks

If the facility contains a stationary fuel storage tank subject to the record keeping requirement in 40 C.F.R. 60, Subpart Kb, ' 116b(a) and (b), it may be operated under this permit. If the tank is subject to any other requirement under Subparts Ka or Kb, you will need a separate permit for operating those tanks.

#### QC3. Excluded Sources

This general permit may not be used for a non-metallic mineral processing plant that has emission points with mechanically induced air flow, such as a fan forcing emissions to a stack or control device.

This general permit also cannot be used for your facility if any of the following sources exist at the facility:

## GP9– Crusher General Permit

- Open burning
- Asbestos demolition or renovation
- Servicing of refrigeration equipment containing Class I or Class II substances.

### **Permitted Sources**

This permit authorizes the holder to operate any source identified in the permit application submitted for this permit. At whatever location the equipment operates the operator must comply with the appropriate requirements for that equipment.

### **Permit Duration**

This permit is valid for five years from September 12, 2003. This permit will expire on September 12, 2008. In order to renew this permit submit a renewal application between March 12, 2007 and March 12, 2008. Renewal applications are available from the department's web site at <http://www.state.ak.us/dec/dawq/aqm/genperm.htm>

### **Change of Ownership**

If the ownership of the crusher is changed the new owners and previous owners must complete a transfer of ownership form and receive authorization to operate from the department before the plant is operated by the new owner. The transfer of ownership form is available on the Air Permit Program web site at <http://www.state.ak.us/dec/dawq/aqm/newpermit.htm> or the form may be obtained by communicating with the nearest Air Permit Program Office.

### **Regulatory Citations and References**

All regulatory citations have been included at the end of each permit condition.

### **Standard Permit Conditions**

Below are listed the Standard Permit Conditions which apply to all permitted sources and appear in all permits issued by the department.

**Standard Permit Conditions: Note that these are standard conditions taken directly from 18 AAC 50.345(b) – (o).**

1. The permittee must comply with each permit term and condition. Noncompliance with a permit term or condition constitutes a violation of AS 46.14, 18 AAC 50, and, except for those terms or conditions designated in the permit as not federally enforceable, the Clean Air Act, and is grounds for
  - a. an enforcement action,
  - b. permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280, or
  - c. denial of an operating permit renewal application. [18 AAC 50.345(c), 5/03/02]
2. It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition. [18 AAC 50.345(d), 5/03/02]
3. Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit. [18 AAC 50.345(e), 5/03/02]
4. Compliance with permit terms and conditions is considered to be in compliance with those requirements that are
  - a. included and specifically identified in the permit, or
  - b. determined in writing in the permit to be inapplicable. [18 AAC 50.345(b), 5/03/02]
5. The permit may be modified, reopened, revoked and reissued, or terminated for cause. A request by the permittee for modification, revocation and reissuance, or termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [18 AAC 50.345(f), 5/03/02]
6. The permit does not convey any property rights of any sort, nor any exclusive privilege. [18 AAC 50.345(g), 5/03/02]
7. The permittee shall allow the department or an inspector authorized by the department, upon presentation of credentials and at reasonable times with the consent of the owner or operator, to
  - a. enter upon the premises where a source subject to the permit is located or where records required by the permit are kept,
  - b. have access to and copy any records required by the permit,
  - c. inspect any facility, equipment, practices, or operations regulated by or referenced in the permit, and
  - d. sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements. [18 AAC 50.345(h), 5/03/02]
8. The permittee shall furnish to the department, within a reasonable time, any

information the department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit or to determine compliance with the permit. Upon request, the permittee shall furnish to the department copies of records required to be kept by the permit. The department may require the permittee to furnish copies of those records directly to the federal administrator.

[18 AAC 50.345(i), 5/03/02]

9. The permittee shall certify all reports, compliance certifications, or other documents submitted to the department and required under the permit by including the signature of a responsible official for the permitted facility following the statement: “Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.” Excess emission reports must be certified either upon submittal or with an operating report required for the same reporting period. All other reports and documents must be certified upon submittal. When certifying a compliance certification, the official’s signature must be notarized.

[18AAC50.345(j), 5/03/02]

10. In addition to any source testing explicitly required by the permit, the permittee shall conduct source testing as requested by the department to determine compliance with applicable permit requirements.

[18AAC50.345(k), 5/03/02]

11. The permittee may request an extension to a source test deadline established by the department. The permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the department’s appropriate division director or designee.

[18AAC50.345(l), 5/03/02]

12. Before conducting any source tests, the permittee shall submit a plan to the department. The plan must include the methods and procedures to be used for sampling, testing, and quality assurance and must specify how the source will operate during the test and how the permittee will document that operation. The permittee shall submit a complete plan within 60 days after receiving a request under Condition 10 of this permit and at least 30 days before the scheduled date of any test unless the department agrees in writing to some other time period. Retesting may be done without resubmitting the plan.

[18AAC50.345(m), 5/03/02]

13. At least 10 days before conducting a source test, the permittee shall give the department written notice of the date and time the source test will begin.

[18AAC50.345(n), 5/03/02]

14. Within 60 days after completing the source test, the permittee shall submit two copies of the results in the format set out in the Source Test Report Outline, adopted by reference in 18 AAC 50.030. The permittee shall certify the results in the manner set out in Condition 9 of this permit. If requested in writing by the department, the permittee must provide preliminary results in a shorter period of time specified by the department.

[18AAC50.345(o), 5/03/02]

## GP9 - General Permit Conditions

### Crushers

#### 15 Grinding, Crushing and Conveyor Equipment Subject to 40 C.F.R. 60.670 Subpart OOO

*Equipment which is subject to Subpart OOO is equipment at a fixed plant with a cumulative rating of all initial<sup>1</sup> crushers greater than 25 tons per hour; or equipment at a portable plant with greater than 150 tons per hour cumulative ratings. The pieces of equipment affected by the applicable conditions are rock crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations. Only the pieces of equipment installed, reconstructed<sup>2</sup> or modified after August 31, 1983 are subject to Subpart OOO. Opacity and marking requirements for this equipment are as follows.*

- 15.1 On a component of grinding or crushing equipment without mechanically induced airflow to capture or exhaust particulate matter, do not allow particulate matter emissions to reduce visibility by more than 15 per cent opacity.  
[40C.F.R.60.672(c), 7/01/01; 18AAC50.040(a)(2)(FF), 8/15/02]
- 15.2 On a component of a conveyor system associated with the crushing and grinding equipment do not allow particulate matter emissions at transfer points to reduce visibility by more than 10 per cent opacity.  
[40C.F.R.60.672(b), 7/01/01; 18AAC50.040(a)(2)(FF), 8/15/02]
- 15.3 Grinding, crushing or conveyor equipment subject to the New Source Performance Standard (NSPS) in 40 C.F.R. 60.670 Subpart OOO must be identified by marking with the letters “NSPS” that are plainly visible and are at least three inches high.  
[18 AAC 50.350(d)(4), 1/18/97]

#### 16 Visual Emissions Observations for Subpart OOO Equipment

The permittee shall inspect each emission point subject to Condition 15.1 and 15.2 using Method 9 of 40 C.F.R. 60, Appendix A at the following times: (Use Attachment 1)

1. within 2 working days after startup at each new location
2. at least once in every 14 days of operation.

[18 AAC 50.350(d)(3), 1/18/97; 40 C.F.R. 60.675(c), 7/01/01]

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<sup>1</sup> Initial crushers are defined as crushers that process some rock that has not been previously crushed.

<sup>2</sup> Reconstructed is defined in 40 C.F.R. 60.673.

**17 Replacement of Grinding, Crushing and Conveying Equipment**

*There are requirements in order to replace equipment not subject to Subpart 000 and also requirements to replace parts of equipment subject to Subpart 000. These requirements are summarized below.*

If the crushing, grinding and conveying equipment was all constructed prior to August 31, 1983, it is not subject to the Subpart 000 NSPS. In that case, if parts of this equipment are replaced with equal size (capacity) or smaller (capacity) parts this does not make the facility subject to the NSPS. This does, however, require a report to the department and the U.S. EPA. See below.

If, however, the entire grinding, crushing and conveying system is replaced in its entirety, or components of that system are replaced with larger capacity components this does make that new component subject to the NSPS requirements. This also requires a report to the department and the U.S. EPA. See below.

In the situations described above, both the department and the U. S. EPA must be notified. See the table below:

<b>Equipment Replaced</b>	<b>Report to ADEC and U.S. EPA</b>
Crusher, grinding mill, bucket elevator, bagging operation, enclosed truck or railcar loading station	Rated capacities of the equipment being replaced and the rated capacity of the new equipment
Screening operation	Total surface area and age of old top screen and total surface area of top screen replacement
Conveyor belt	Width and age of the existing belt and width of the replacement belt
Storage bin	Capacity and age of the existing storage bins

If equipment above for a non NSPS grinding and crushing operation is replaced notify:

Director of Emission Standards and Engineering Division (MD-13) U.S. Environmental Protection Agency Research Triangle Park, North Carolina 27711	Alaska Department of Environmental Conservation Air Permit Program 610 University Avenue Fairbanks, Alaska 99709
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For crushing grinding or conveying equipment that was constructed after August 31, 1983, and is subject to 40 C.F.R. 60 Subpart 000 or components installed after August 31, 1983, which increase capacity of equipment, the department and the U.S. EPA must be notified. The notifications must include the anticipated and actual dates of initial

startup of the new equipment or components and must include the precise nature of the change, the present and proposed emission control systems and the change in capacity as a result of the changed components or equipment. Modifications that trigger these reports include increasing the surface area of an initial screen, increasing the width of a conveyor belt or increasing the capacity of any other equipment. Notifications should be sent to the department and U.S. EPA as follows:

[40C.F.R.60.676(a), 7/01/01;18AAC50.200, 1/18/97]

Alaska Department of Environmental Conservation Air Permit Program 610 University Avenue Fairbanks, Alaska 99709	U.S. Environmental Protection Agency Region 10 1200 Sixth Avenue Seattle, Washington 98101
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**18 Initial Opacity Observations under 40 C.F.R. 60.11**

*See condition 17 for an explanation of when equipment becomes subject to Subpart OOO.*

If new equipment becomes subject to 40 C.F.R. 60, Subpart OOO, and the initial opacity observations required by 40 C.F.R. 60.11 have not been done, then perform those observations and report the results according to the schedule in 40 C.F.R. 60.11(e).

**Fuel Storage Tanks**

**19 Stationary Fuel Storage Tanks**

Some grinding and crushing plants use ASTM D2 (diesel fuel #2) to power diesel engines to power the grinding, crushing or conveying equipment. This diesel fuel must be stored onsite. Diesel fuel meeting ASTM Specifications for ASTM D2 (diesel fuel #2) is a low volatility fuel with a Reid Vapor Pressure typically lower than 0.5 psia. There are requirements for stationary fuel storage tanks in 40 C.F.R. 60 which is the New Source Performance Standard (NSPS) for fuel storage tanks. If fuel tanks at a crusher installation contain less than 10,567 gallons of fuel or are portable (i.e. do not remain in one location for longer than 12 months) there are no applicable air quality control requirements. If the size of the fuel tanks at a crusher installation using ASTM D2 (diesel fuel #2) exceeds 10,567 gallons and the tanks were constructed after July 23, 1984, the operator must keep accessible records showing the dimensions of each tank and calculations showing the capacity of the storage tank. If a liquid fuel other than ASTM D2 (diesel fuel #2) is stored in tanks onsite, there may be other requirements from 40 C.F.R. 60 Subpart Kb that may apply.

[18AAC50.040(a)(2)(M), 8/15/02; 40C.F.R.60.116b(a) & (b), 7/01/01]

## Facility Wide Requirements

### 20 Fugitive Dust.

- a. The operator shall take reasonable precautions to prevent the release of airborne particulate matter and fugitive dust from aggregate piles, conveyors and elevators, loading locations, crushers, screens, vehicle traffic within the facility boundaries and other sources of fugitive dust.
- b. Reasonable precautions for crushers to prevent particulate matter from becoming airborne include as necessary:
  - installation and use of hoods,
  - fans and dust collectors to enclose and vent dusty materials,
  - other covers and enclosures to prevent generation or release of fugitive dust,
  - cleanup of loose material on work surfaces,
  - minimizing drop distances on conveyor systems and lowering loader buckets to be in contact with the surface of the soil or ground before dumping,
  - application of water or suitable chemicals to road surfaces to prevent the generation of fugitive dust,
  - gratings at the exit of the facility to prevent tracking of dirt or mud onto public roads,
  - for a crusher operation located near a business, residence or other occupied structure, if the wind is blowing toward the structure and emissions from an activity would result in a violation of condition 21, stopping the activity that would cause the violation while the wind blows in that direction.

c. Dust Control Plans

If a location listed in an application or in an application addendum (Attachment 3 of this permit) is within 2000 feet of the nearest inhabited offsite structure the applicant or permittee must attach a fugitive dust control plan as part of that application or addendum. The permittee must also submit a fugitive dust control plan, or revision to the plan if requested by the department. The operator must comply with a plan required under this condition.

The plan must be specific to any location named in a permit application or application addendum, and must say what measures will be taken and under what circumstances the permittee will use them. If necessary, the plan will identify the frequency with which measures will be applied. A plan does not fulfill this requirement if it only says what measures can be taken for a particular emission source.

[18AAC50.045(d), 18 AAC 50.350(f)(3), 1/18/97]

**21 Air Pollution Prohibited.**

No person may permit any emission which is injurious to human health or welfare, animal or plant life, or property, or which would unreasonably interfere with the enjoyment of life or property.

**22 Monitoring, Record Keeping, and Reporting for Air Pollution Prohibited**

- 22.1 If emissions present a potential threat to human health or safety, the permittee shall report any such emissions according to condition 26.
- 22.2 As soon as practicable after becoming aware of a complaint that is attributable to emissions from the facility, the permittee shall investigate the complaint to identify emissions that the permittee believes have caused or are causing a violation of condition 21.
- 22.3 The permittee shall initiate and complete corrective action necessary to eliminate any violation identified by a complaint or investigation as soon as practicable if
1. after an investigation because of a complaint or other reason, the permittee believes that emissions from the facility have caused or are causing a violation of condition 21; or
  2. the department notifies the permittee that it has found a violation of condition 21.
- 22.4 The permittee shall keep records of
1. the date, time, and nature of all emissions complaints received;
  2. the name of the person or persons who complained, if known;
  3. a summary of any investigation, including reasons the permittee does or does not believe the emissions have caused a violation of condition 21; and
  4. any corrective actions taken or planned for complaints attributable to emissions from the facility.
- 22.5 In each semi annual facility operating report the permittee shall include a brief summary report which must include
1. the number of complaints received;
  2. the number of times the permittee or the department found corrective action necessary;
  3. the number of times action was taken on a complaint within 24 hours; and
  4. the status of corrective actions the permittee or department found necessary that were not taken within 24 hours.
- 22.6 The permittee shall notify the department of a complaint that is attributable to emissions from the facility within 24 hours after receiving the complaint, unless the permittee has initiated corrective action within 24 hours of receiving the complaint

**23 Coastal Zone Management.**

If the facility will be located in the Aleutians West Coastal Resource Service Area (AWCRSA) contact the local or municipal tribal officials, landowners, and the AWCRSA to obtain the necessary local permits or approvals and to find a preferred site for the operation. AWCRSA consists of the islands in the Aleutian Chain from Unalaska to Attu. If the facility will be located in the AWCRSA and stores greater than 5000 gallons of fuel, the facility must comply with AWCRSA policies C-10 (storage of petroleum products) and C-11 (spill containment and cleanup equipment). [*This is a state only requirement.*]

[6AAC50, 1984]

**24 Fees.**

The facilities operated under this permit are subject to permit administration fees. The department charges Permit Administration fees at the rate of \$78.00 per hour. These fees can be accrued during the initial issuance of the permit for reviewing the application for completeness and compliance with the regulations. Permit Administration fees are also charged for the review of the annual compliance certifications and the review of the facility operating reports.

[18AAC50.400 to 18AAC50.430, 1/18/97]

**25 Location**

- a. The permittee may not operate the facility under this permit at a location less than 400 feet from the nearest residence.
- b. The permittee may move to and operate the facility under this permit at a location between 400 and 1000 feet of the nearest residence for a period of not more than two construction seasons during the effective period of this permit

If the facility was moved to such a location before the effective date of this permit and after January 1, 2002, the permittee may operate the facility for a period of not more than one construction season under this permit at that location.

- c. The operator shall
  1. provide notice to the department at least 10 days in advance of the move of any crusher operation by using the Application Addendum (Location Change) in Attachment 3 of this permit.

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2. give adequate consideration to siting issues as described in condition 25d when operating or changing locations of a crusher permitted to operate under this permit.
- d. *If the operator selects a location near residences or other occupied structures and this location selection results in complaints concerning the air emissions, the department will investigate the complaints. These investigations could result in*
1. *the operator being required to prove, by air quality dispersion modeling or other means, that emissions from the plant are not harmful to the neighbors by conducting an ambient air quality investigation under 18 AAC 50.201;*
  2. *the requirement to reduce emissions or implement another control strategy to reduce the ambient impact of those emissions as necessary to ensure that the concentration of air contaminants in the ambient air does not exceed the ambient air quality standards, maximum allowable ambient concentrations or the limitations of 18 AAC 50.110;*
  3. *Air quality monitoring investigations; or*
  4. *The requirement to obtain a site specific permit with requirements tailored to the exact operation contemplated; and*
  5. *Operators must be aware that if additional dispersion modeling, an investigation under 18 AAC 50.201 or a site specific permit is needed, these requirements could result in significant delays and expenses.*

[18 AAC 50.110, 5/36/72; 18 AAC 50.201, 1/18/97]  
[18AAC50.201, 1/18/97]

**Table 1****Monitoring, Record Keeping and Reporting**

Table 1 lists the monitoring, record keeping, and reporting that is required by this permit. Some of these requirements are stated only in this table. Where the monitoring, record keeping, or reporting requirement is more fully explained in another condition of the permit, that condition number is given in the table.

The permittee must report excess emissions or other deviations from all permit conditions according to condition 26.

<b>Condition Number</b>	<b>Monitoring</b>	<b>Record Keeping</b>	<b>Reporting</b>
<b>STANDARD PERMIT CONDITIONS</b>			
<b>1. compliance with permit terms and conditions</b>	<b>Continuous process see specifics below</b>	<b>See specifics for each condition below</b>	<b>Annual compliance certification</b>
<b>2. shutdown no defense in a compliance action</b>	<b>None required</b>	<b>None required</b>	<b>None required</b>
<b>3. permit terms independent</b>	<b>None required</b>	<b>None required</b>	<b>None required</b>
<b>4. compliance with permit terms considered full compliance</b>	<b>None required</b>	<b>None required</b>	<b>None required</b>
<b>5. reopening, revocation or reissuance of permits</b>	<b>None required</b>	<b>None required</b>	<b>None required</b>
<b>6. non conveyance of property rights or privileges</b>	<b>None required</b>	<b>None required</b>	<b>None required</b>
<b>7. inspector access provided on request</b>	<b>Granting access monitoring implicit in action</b>	<b>Log and track inspector visits</b>	<b>Report number of times access granted and records provided</b>
<b>8. furnishing records</b>	<b>Furnishing records monitoring implicit in action</b>	<b>Log and track records requested</b>	<b>Report type and number of records requested and provided</b>

<b>9. certifying reports</b>	<b>Certifying reports monitoring implicit in action</b>	<b>Keep copies of all reports with certifications for five years</b>	<b>Reporting implicit in action of submitting reports</b>
<b>10. perform source tests on demand by ADEC</b>	<b>Performance of source tests monitoring implicit in action</b>	<b>Keep copies of source test results for five years</b>	<b>Report source test results within time limits specified</b>
<b>11. extending source test deadlines</b>	<b>Extending of deadlines monitoring implicit in action</b>	<b>Keep copies of all source test deadline extension requests</b>	<b>Report deadline extension in source test report when submitted</b>
<b>12. source test plan required in advance of source testing</b>	<b>Preparing plan monitoring implicit in action</b>	<b>Keep copies of all source test plans submitted and dates submitted</b>	<b>Include source test plan in source test report when submitted</b>
<b>13. ten day notification before source tests</b>	<b>Sending notification monitoring implicit in action</b>	<b>Keep copies of all 10 day notification letters</b>	<b>Include 10 day notification in source test report when submitted</b>
<b>14. submitting source test reports</b>	<b>Submittal of report monitoring implicit in action</b>	<b>Keep copies of all source test reports submitted</b>	<b>Report submittal fulfills reporting requirement</b>
<b>GENERAL PERMIT CONDITIONS FOR CRUSHING &amp; GRINDING</b>			
<b>15.1 grinding or crushing opacity not more than 15%</b>	<b>Use visual observation EPA Method 9 to observe emission points</b>	<b>Keep a written record of visual observations of emission points</b>	<b>Submit written records of visual observations with semi annual reports. If standard is exceeded use ADEC Notification form.</b>
<b>15.2 conveyor opacity not more than 10%</b>	<b>Use visual observation EPA Method 9 to observe emission points</b>	<b>Keep a written record of visual observations of emission points</b>	<b>Submit written records of visual observations with semi annual operating reports. If standard is exceeded use ADEC Notification form.</b>

<b>15.3 marking requirements</b>	<b>Marking “NSPS” on equipment subject to 40C.F.R.60 Subpart OOO serves as monitoring</b>	<b>Keep a photographic record of all equipment marked “NSPS” and maintain until replaced or retired</b>	<b>Provide photographic records of “NSPS” markings to the department on request</b>
<b>16. Visible Emissions Observations for Subchapter OOO equipment</b>	<b>Monitor using EPA Ref Method 9</b>	<b>Maintain copies of Visible Emissions observation forms Attachment 1</b>	<b>Provide copies of Visible Emissions observation forms with semi annual operating reports</b>
<b>17. replacement of grinding, crushing or conveying equipment</b>	<b>Maintain a log and keep track of components of grinding, crushing or conveying equipment that is replaced</b>	<b>When equipment is replaced as described in condition 17 describe changes in correspondence as specified</b>	<b>Reporting consists of providing copies of the correspondence required by the condition to the department and EPA.</b>
<b>18. Initial Opacity observations</b>	<b>Monitor using EPA Ref Method 9</b>	<b>Maintain copies of Visible Emissions observation forms Attachment 1</b>	<b>Report results per 40 C.F.R. 60.11(e).</b>
<b>19. fuel storage tank requirements</b>	<b>Maintain a log of the fuel storage tanks in use at the facility including their capacity and the types of fuel stored in them and the dates the tanks were constructed</b>	<b>If required by the condition maintain records showing the dimensions of each tank and calculations showing the storage capacity of each tank</b>	<b>Maintain the records of the tank dimensions and methods of calculations as long as the tanks are in use at the facility</b>
<b>GENERAL REQUIREMENTS FOR THE FACILITY</b>			
<b>20. fugitive dust requirements</b>	<b>Perform a daily inspection of sources of fugitive dust and take necessary actions to keep dust down. Submit and comply with fugitive dust control plan if necessary</b>	<b>Maintain a log of a daily inspection of sources of fugitive dust and actions taken to keep fugitive dust down. Maintain a copy of the fugitive dust control plan for life of the facility.</b>	<b>Report copies of log entries concerning fugitive dust with semi annual reports. Report activities undertaken to maintain compliance with fugitive dust control plan if any.</b>

<p><b>21. &amp; 22.</b>   <b>air pollution prohibited</b></p>	<p><b>Monitoring consists of responding to complaints and taking corrective action</b></p>	<p><b>Maintain a log of all complaints received and actions taken to correct any deficiencies noted</b></p>	<p><b>Report complaints and incidents and actions taken in log entries with the semi annual reports</b></p>
<p><b>23. coastal zone management</b></p>	<p><b>Locating a facility in the Aleutian Islands requires coordination with local authorities and serves as implicit monitoring</b></p>	<p><b>Maintain copies of all correspondence concerning location of facility until 5 years after plant is removed from Aleutians</b></p>	<p><b>Provide copies of correspondence with semi annual report when facility is first located in Aleutians</b></p>
<p><b>24. fees</b></p>	<p><b>Timely payment of fees is monitored by the department</b></p>	<p><b>The department maintains records of permit administration fees billed, paid and outstanding</b></p>	<p><b>In the annual compliance certification report assert compliance by certifying that all fees have been paid on time.</b></p>
<p><b>25. Location considerations</b></p>	<p><b>Ensure siting considerations considered</b></p>	<p><b>Maintain copies of authorization to operate from Borough</b></p>	<p><b>Report location changes with attachment 3</b></p>
<p><b>26. Excess Emissions Reporting</b></p>	<p><b>Monitoring consists of filing of the report with ADEC</b></p>	<p><b>Maintain copies of excess emission reports filed</b></p>	<p><b>Provide copies of reports filed with semi annual operating reports</b></p>

## Reporting Requirements

The department requires a facility operator using this general permit to perform four types of reports: (1) reporting emissions that have the potential to violate a permit condition, (2) semiannual operating reports, (3) notification of replacement of certain equipment, and (4) annual compliance certifications.

### **26 Excess Emissions and Permit Deviation Reports.**

#### **26.1 When to Report**

E1. The permittee shall notify the department of a complaint that is attributable to emissions from the facility within 24 hours after receiving the complaint, unless the permittee has initiated corrective action within 24 hours of receiving the complaint

E2. Except as provided in condition E1 for Air Pollution Prohibited, the permittee shall report all emissions or operations that exceed or deviate from the requirements of this permit as follows:

- a. in accordance with 18 AAC 50.240(c), as soon as possible after the event commences or is discovered, report
  - (i) emissions that present a potential threat to human health or safety; and
  - (ii) excess emissions that the permittee believes to be unavoidable;
  
- b. in accordance with 18 AAC 50.235(a), within two working days after the event commenced or was discovered, report an unavoidable emergency, malfunction, or nonroutine repair that causes emissions in excess of a technology based emission standard;
  
- c. report all other excess emissions and permit deviations
  - (i) within 30 days of the end of the month in which the emissions or deviation occurs, except as provided in conditions c(ii) and c(iii);
  - (ii) if a continuous or recurring excess emissions is not corrected within 48 hours of discovery, within 72 hours of discovery unless the department provides written permission to report under condition c(i); and
  - (iii) for failure to monitor, as required in other applicable conditions of this permit.

#### **26.2 How to Report**

When reporting excess emissions under condition E2, the permittee must report using either the department's on-line form, which can be found at [www.dec.state.ak.us/awq/excess/report.asp](http://www.dec.state.ak.us/awq/excess/report.asp), or, if the permittee prefers, the form contained in Attachment 3 of this permit. The permittee must provide all information called for by the form that is used.

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When reporting a permit deviation under condition E2, the permittee must report using the form contained in Attachment 3 of this permit, unless the department has provided an on-line form for permit deviations by the time the report is due. The permittee must provide all information called for by the form used.

If requested by the department, the permittee shall provide a more detailed written report as requested to follow up an excess emissions report.

For excess emissions which may present a **threat to human health or safety** (Condition 36 E2 a. i.):

Report as soon as possible, at one of the following numbers:

Central Alaska      269-3063      Fax    269-7648

Northern Alaska    451-2121      Fax    451-2362

Southeast Alaska   465-5340      Fax    465-2237

Outside of normal business hours:    1-800-478-9300

Fax a completed ADEC Notification form (Attachment 3) within 24 hours to the Anchorage Air Permit Program office at (907) 269-7508.

### 26.3 Immediate Reporting

Notify the department within two days of a pollution-control equipment breakdown. Provide a schedule for repair of the pollution control equipment and do not operate the plant after the breakdown until repairs have been completed.

[18 AAC 50.350(i)(1), 1/18/97]

**27 Semiannual Operating Report:**

[18 AAC 50.350(d)(3), 18 AAC 50.350(i)(5), 1/18/97]

Submit the following information to the department :

Submit three copies, including the original, of this semi-annual operating report to:

Alaska Department of Environmental Conservation  
Air Permit Program  
610 University Ave  
Fairbanks, Alaska 99709

Facility Name \_\_\_\_\_ Date: \_\_\_\_\_ Permit Number \_\_\_\_\_

A Semiannual Operating Report from  
(Select the correct operating period)

- 10/1/\_\_\_ - 3/31/\_\_\_ Due on **April 30**
- 4/1/\_\_\_ - 9/30/\_\_\_ Due on **October 30**

Did the facility deviate from any permit requirements or a fugitive dust control plan?

- Yes
- No

If yes, explain (1) how you deviated from the plan, (2) the cause of the deviation, and (3) why it was necessary.

Attach:

- (a) Copies of all visible emission reading results.
- (b) A description of any complaints received, including:
  - Date the complaint was received and the date the facility responded,
  - Nature of the complaint,
  - Results of the investigation, and
  - Steps taken to resolve the complaint.
- (c) A list of any deviations from permit conditions; include:
  - The date or period
  - Equipment involved
  - The permit condition
  - The nature of the deviation
  - Actions taken to solve the problem.

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Based on information and belief formed after reasonable inquiry, I certify that the facility meets the qualifying criteria and that the statements and information in and attached to this document are true, accurate, and complete.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

**Annual Compliance Certification**

Certify compliance annually by February 1 of each year for the period from January 1 to December 31 of the previous year in accordance with the format below. Submit two copies and the original to ADEC and one copy to the U.S. EPA. Submit the annual compliance certification to the addresses below:

ADEC Air Permit Program 610 University Ave Fairbanks, Alaska 99709	US EPA Region 10 Office of Air Quality M/S OAQ-107 1200 6 <sup>th</sup> Avenue, Seattle, Washington 98101
--	--

Permittee: \_\_\_\_\_ Facility Name \_\_\_\_\_

Permit Number \_\_\_\_\_ Period of Certification \_\_\_\_\_

Condition Number And Description	Compliance Status	Continuous/ Intermittent	Method to determine compliance
<b>STANDARD PERMIT CONDITIONS</b>			
<b>1. – 6.</b>	<b>These conditions place no certification obligation on permittee.</b>		
<b>7. inspector access provided on request</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Dates access granted or not requested <input type="checkbox"/> Other (attach description & documentation)
<b>8. furnishing records</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Dates submitted <input type="checkbox"/> Other (attach description & documentation)
<b>9. certifying reports</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> All reports/ documents certified <input type="checkbox"/> Other (attach description & documentation)
<b>10. – 14. source test requirements</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> source tests performed <input type="checkbox"/> plans submitted <input type="checkbox"/> reports submitted <input type="checkbox"/> Other (attach description)

<b>GENERAL PERMIT CONDITIONS FOR GRINDING &amp; CRUSHING</b>			
<b>15.1 grinding or crushing opacity</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> visible emissions testing records kept <input type="checkbox"/> visible emissions did not exceed 15% opacity <input type="checkbox"/> Other (attach description & documentation)
<b>15.2 conveyor opacity requirements</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> visible emissions testing records kept <input type="checkbox"/> visible emissions did not exceed 10% opacity <input type="checkbox"/> Other (attach description & documentation)
<b>15.3 marking requirements</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> all photographic records kept <input type="checkbox"/> all NSPS equipment marked properly <input type="checkbox"/> Other (attach description & documentation)
<b>16. Visible emissions observations Subpart OOO equipment</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> observations made with Ref Method 9 <input type="checkbox"/> records kept and provided with semi annual operating reports
<b>17. replacement of grinding, crushing or conveying equipment</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> all records kept and notifications made <input type="checkbox"/> no equipment replaced <input type="checkbox"/> Other (attach description & documentation)
<b>18 Initial Opacity Observations</b>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not In Compliance <input type="checkbox"/> Not applicable (attach explanation)	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> observations made with Ref Method 9 <input type="checkbox"/> records kept and provided with semi annual operating reports

<p><b>19. fuel storage tank requirements</b></p>	<p><input type="checkbox"/> In Compliance  <input type="checkbox"/> Not In Compliance  <input type="checkbox"/> Not applicable (attach explanation)</p>	<p><input type="checkbox"/> Continuous  <input type="checkbox"/> Intermittent</p>	<p><input type="checkbox"/> all records of tank dimensions and capacities kept  <input type="checkbox"/> tanks are too small or too old to require record keeping  <input type="checkbox"/> Other (attach description &amp; documentation)</p>
<p><b>GENERAL REQUIREMENTS FOR THE FACILITY</b></p>			
<p><b>20. fugitive dust requirements</b></p>	<p><input type="checkbox"/> In Compliance  <input type="checkbox"/> Not In Compliance  <input type="checkbox"/> Not applicable (attach explanation)</p>	<p><input type="checkbox"/> Continuous  <input type="checkbox"/> Intermittent</p>	<p><input type="checkbox"/> all reasonable precautions taken  <input type="checkbox"/> fugitive dust plan complied with  <input type="checkbox"/> Other (attach description &amp; documentation)</p>
<p><b>21. &amp; 22. air pollution prohibited</b></p>	<p><input type="checkbox"/> In Compliance  <input type="checkbox"/> Not In Compliance  <input type="checkbox"/> Not applicable (attach explanation)</p>	<p><input type="checkbox"/> Continuous  <input type="checkbox"/> Intermittent</p>	<p><input type="checkbox"/> records of complaints kept  <input type="checkbox"/> complaints investigated and corrective action taken as necessary  <input type="checkbox"/> Other (attach description &amp; documentation)</p>
<p><b>23. coastal zone management</b></p>	<p><input type="checkbox"/> In Compliance  <input type="checkbox"/> Not In Compliance  <input type="checkbox"/> Not applicable (attach explanation)</p>	<p><input type="checkbox"/> Continuous  <input type="checkbox"/> Intermittent</p>	<p><input type="checkbox"/> all records and correspondence kept  <input type="checkbox"/> did not operate in AWCRSA  <input type="checkbox"/> Other (attach description )</p>
<p><b>24. fees</b></p>	<p><input type="checkbox"/> In Compliance  <input type="checkbox"/> Not In Compliance  <input type="checkbox"/> Not applicable (attach explanation)</p>	<p><input type="checkbox"/> Continuous  <input type="checkbox"/> Intermittent</p>	<p><input type="checkbox"/> all invoices paid within 60 days  <input type="checkbox"/> Other (attach description &amp; documentation)</p>
<p><b>25. Location considerations</b></p>	<p><input type="checkbox"/> In Compliance  <input type="checkbox"/> Not In Compliance  <input type="checkbox"/> Not applicable (attach explanation)</p>	<p><input type="checkbox"/> Continuous  <input type="checkbox"/> Intermittent</p>	<p><input type="checkbox"/> any equipment moves reported 10 days in advance  <input type="checkbox"/> Other equipment not moved</p>

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<b>26. Excess Emission Reports</b>	<input type="checkbox"/> <b>In Compliance</b> <input type="checkbox"/> <b>Not In Compliance</b> <input type="checkbox"/> <b>Not applicable (attach explanation)</b>	<input type="checkbox"/> <b>Continuous</b> <input type="checkbox"/> <b>Intermittent</b>	<input type="checkbox"/> <b>excess emissions reported on time</b> <input type="checkbox"/> <b>records kept and provided with semi annual operating reports</b>
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Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate and complete.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

State of Alaska, City of \_\_\_\_\_, Borough of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ before me personally appeared \_\_\_\_\_

Whose identity was proved to me on the basis of satisfactory evidence to be the person  
 Whose name is subscribed to this instrument, and acknowledged that he (she) executed  
 the same.

\_\_\_\_\_  
Notary Public

My Commission Expires on \_\_\_\_\_

**Attachment 1 -Visible Emissions Forms Page 1 of \_\_\_\_\_**

When doing readings: Maintain a distance of at least 15 feet from the emission point; When possible while still conforming to Method 9, select a position to minimize interference between sources; If interference cannot be avoided between sources, use the least stringent opacity standard that applies to any of the sources involved; and If wet dust suppression is used, read the part of the plume where there are no visible emissions caused by water mist.

**Certified Observer** \_\_\_\_\_

Company \_\_\_\_\_

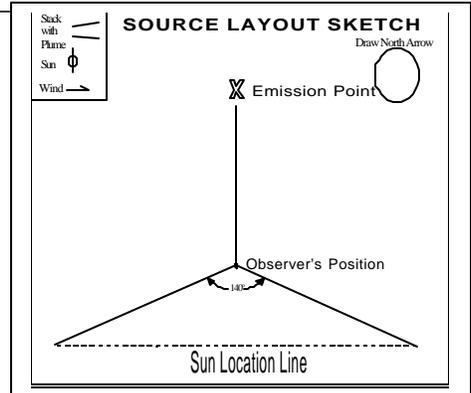
Location \_\_\_\_\_

Test No. \_\_\_\_\_ Date \_\_\_\_\_

Crushing Plant: Source \_\_\_\_\_

Production Rate: \_\_\_\_\_ Tons/hr

Hrs. of observation: \_\_\_\_\_



Clock Time	Initial			Final
Observer location				
Distance to discharge				
Direction from discharge				
Height of observer point				
Background description				
Weather conditions				
Wind Direction				
Wind speed				
Ambient Temperature				
Relative humidity				
Sky conditions: (clear, overcast, % clouds, etc.)				
Plume description:				
Color				
Distance visible				
Water droplet plume? (attached or detached?)				
Other information				

Use the procedures specified in 40 C.F.R. 60, Appendix A, Method 9 to perform this observation



**ATTACHMENT 2: ADEC Notification Form**

Fax this form to: (907) 269-7508 Telephone: (907) 269-8888

Company Name \_\_\_\_\_

Facility Name \_\_\_\_\_

**Reason for notification:**

**Excess Emissions**  
*If you checked this box  
Fill out section 1*

**Other Deviation from Permit Condition**  
*If you checked this box  
fill out section 2*

When did you discover the Excess Emissions or Other Deviation:

Date: \_\_/\_\_/\_\_ Time:\_\_:\_\_

**Section 1. Excess Emissions**

**(a) Event Information (Use 24-hour clock):**

	<b>START Time:</b>	<b>END Time:</b>	
		<b>Duration (hr:min):</b>	
Date: _____	_____:	_____:	_____:
Date: _____	_____:	_____:	_____:
		<b>Total:</b>	_____:

**(b) Cause of Event (Check all that apply):**

<input type="checkbox"/> START UP EQUIPMENT	<input type="checkbox"/> UPSET CONDITION	<input type="checkbox"/> CONTROL
<input type="checkbox"/> SHUT DOWN	<input type="checkbox"/> SCHEDULED MAINTENANCE	<input type="checkbox"/> OTHER _____

*Attach a detailed description of what happened, including the parameters or operating conditions exceeded.*

**(c) Sources Involved:**

*Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.*

Source ID No.	Source Name	Description	Control
Device			
_____	_____	_____	_____
_____	_____	_____	_____

**(d) Emission Limit Potentially Exceeded**

*Identify each emission standard potentially exceeded during the event. Attach a list of ALL known or suspected injuries or health impacts. Identify what observation or data prompted this report. Attach additional sheets as necessary.*

Permit Condition	Limit	Emissions Observed
_____	_____	_____
_____	_____	_____

**(e) Excess Emission Reduction:**

*Attach a description of the measures taken to minimize and/or control emissions during the event.*

**(f) Corrective Actions:**

*Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of a recurrence.*

**(g) Unavoidable Emissions:**

*Do you intend to assert that these excess emissions were unavoidable?*

YES             NO

*Do you intend to assert the affirmative defense of 18 AAC 50.235?*

YES             NO

**Section 2. Other Permit Deviations**

**(a) Sources Involved:**

*Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.*

Source ID No. Device	Source Name	Description	Control
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**(b) Permit Condition Deviation:**

*Identify each permit condition deviation or potential deviation. Attach additional sheets as necessary.*

Permit Condition	Potential Deviation
_____	_____
_____	_____
_____	_____

**(c) Corrective Actions:**

*Attach a description of actions taken to correct the deviation or potential deviation and to prevent recurrence.*

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

\_\_\_\_\_  
Printed Name:

\_\_\_\_\_  
Signature:

\_\_\_\_\_  
Date

**Attachment 3. Application Addendum (Location Change)**

Submit the information specified below to the Department's Air Permit Program Compliance Section, 610 University Avenue, Fairbanks, Alaska 99709-3643 *ten* days before moving of the plant to any new location, and report the exact date before startup by telephone, fax, e-mail or letter.

Name of Firm: \_\_\_\_\_ Permit Number \_\_\_\_\_

Make and Model of the Equipment/Facility to be relocated \_\_\_\_\_

Contact Person: \_\_\_\_\_ Telephone: \_\_\_\_\_

New plant location (Street address, Milepost number etc. **Include site maps**):  
\_\_\_\_\_

Approximate start-up and shut-down dates: \_\_\_\_\_

**Distance from Plant boundary to nearest inhabited structure \_\_\_\_\_ yards**

**Nearest inhabited structures are on (check one) \_\_\_ flat or \_\_\_ elevated terrain**

**Attach approvals or conditional use permits from Borough where plant is to be located.**

Comments: \_\_\_\_\_

I hereby certify that the information contained in this notification to the best of my knowledge and belief, is true, complete, and accurate. **I have taken the information in Condition 25 into account in the site selection for this plant relocation.**

Signature: \_\_\_\_\_ Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_ Telephone: \_\_\_\_\_

State of Alaska, City of \_\_\_\_\_, Borough of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ before me personally appeared \_\_\_\_\_

Whose identity was proved to me on the basis of satisfactory evidence to be the person  
Whose name is subscribed to this instrument, and acknowledged that he (she) executed  
the same.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
My Commission Expires on